SNOW SURVEYS and WATER SUPPLY OUTLOOK for ALASKA

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

ALASKA SOIL CONSERVATION DISTRICT

AS OF
MAY 1, 1974

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Snow Surveyors near Ship Creek, Alaska snow course.

SCS PHOTO A-272-11

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and tor British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

U.S. DEPARTMENT of AGRICULTURE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY
SOIL CONSERVATION SERVICE

USDA-SCS-PORTLAND, OREG 1973

FEDERAL - STATE - PRIVATE

SNOW SURVEYS AND WATER SUPPLY OUTLOOK FOR ALASKA

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CRATER LAKE

SCS PHOTO A-156-10

ALASKA SUMMARY
as of
MAY 1, 1974

Spring snowmelt is earlier than normal over much of Alaska. May 1 snow survey results reveal that in many watersheds the low elevation snow has already disappeared. Most high elevation snowpacks have not started to melt, however.

Nearly all localities measured are well below last years May 1 levels and also much below average. The only exceptions are on the Copper river drainage, the Kenai peninsula and Southeastern Alaska.

The area by area conditions are as follows:

KOYUKUK DRAINAGE

The snowpack deficiency remains on the upper reaches of the watershed. The snow left on the ground on May 1 was only about half of last years amount.

UPPER YUKON DRAINAGES

May 1 surveys are quite limited in this region. What few surveys that were taken indicate the remaining snowpack is only about one-third of last years amount and only 38 percent of normal.

M7-L-2202OM

TANANA-CHENA

Melting started ahead of normal over the lower elevations of these watersheds. As of May 1 the remaining snowpack was 80 percent of last years level and only half the normal amount. Snowmelt runoff from May through July is forecast to be 80 and 77 percent of normal respectively from the Chena and Salcha rivers.

COPPER DRAINAGES

This is one of the few areas with as much snow as last year on May 1. This years pack is now about three-fourths of normal.

MATANUSKA-SUSITNA DRAINAGES

About two-thirds the normal amount of snow remained as of May 1. This is 70 percent of the amount on the ground a year ago May 1.

UPPER COOK INLET DRAINAGES

Melt is a bit ahead of normal in this region. The current snowpack level is only 75 percent of average and 87 percent of last years amount. Stream flow forecasts for the May-July period are 89 and 85 percent of average for Ship Creek and South Fork of Campbell Creek respectively.

PRINCE WILLIAM SOUND

A snow course network was recently established in the Valdez area. May 1 surveys indicate the snowpack is only 62 percent of last years level.

KENAI PENINSULA

This is one of the few areas with a snowpack that is near average. Last years level was near the short-term average as well.

SOUTHEASTERN DRAINAGES

The May 1 pack at higher elevations near Tuneau is near normal, but a bit lower than last year. Near Ketchikan the pack is slightly heavier than last year.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
CHENA RIVER at Fairbanks	410	80%	May-July	508	510
SALCHA RIVER nr. Salchaket	590	77%	May-July	662	770
SHIP CREEK nr. Anchorage 1/	50	89%	May-July	39	56
SO. FK. CAMPBELL CREEK nr. Anchorage	11.0	85%	May-July	9.0	12.7

1/ Measured flow adjusted for diversion.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Number	Elevation	THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	Water Content (inches) Average †	Years of Previous Record
AS OF APR. 15, 1974								
TANANA-CHENA:								
Caribou Mine	28	1115	4/15	20A	4.7E	3.3E	4.8	8
Cleary Summit	18	2230	4/15	27A	6.4E	7.6E	7.2	11
Little Chena	19	2200	4/15	24A	5.0E	6.8E	5.7	12
Mt. Ryan	20	2950	4/15	28A	6.4E	8.0E	8.4	12
Munson Ridge	23	3100	4/15	44A	12.5E	15.2E	15.7	12
Upper Chena	75	3000	4/15	28A	6.2E	8.5E	6.3	4
Wolf Creek	76	3850	4/15	12A	3.2E	3.9E	3.1	4
AS OF MAY 1, 1974								
KOYUKUK DRAINAGE:								
Cold Foot	107	1000	5/1	3	0.9	7.8	--	1
Dietrich Camp	106	1550	5/1	4	1.1	2.9	3.0	3
Jim River	115	1900	5/1	10A	2.5E	--	--	1
Glacier Creek	113	2000	5/1	19A	3.8E	5.0E	--	2
Kupuk Creek	112	2300	5/1	11A	2.8E	0.0	--	2
Prospect Creek	108	980	5/1	16	3.7	8.1	7.6	3
Snowden Mtn.	111	1900	5/1	13A	2.9E	0.0	--	2
Table Mtn.	110	2200	5/1	19A	3.8E	4.0E	--	2
West Buttons	114	1600	No	Survey		6.6E	--	2
YUKON DRAINAGE:								
Five Mile	109	400	5/1	T	T	5.6	4.7	3
Log Cabin	69	2880	4/29	25	6.4	14.1	12.0	16
Thirty Mile	116	1300	5/1	21A	4.2E	--	--	1
TANANA-CHENA:								
Big Delta	29	975	4/29	T	T	0.0	.3	13
Bonanza Creek	82	1150	5/1	13	2.4	2.4	4.5	6
Caribou Creek	103	1440	5/2	0	0.0	--	4.5	3
Caribou Mine	28	1115	5/1	0	0.0	3.5	4.8	8
Cleary Summit	18	2230	5/1	27	6.6	7.2	7.9	13
Colorado Creek	27	750	5/1	0	0.0	0.0	4.0	8
Donnelly Dome	80	2200	4/29	7	2.1	T	5.8	7
Fielding Lake	33	3000	4/29	37	11.3	11.2	12.4	13

A- Aerial marker reading E- Estimated T - Trace

† 1958-1972 period.

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD		
NAME	Number	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Water Content (inches) Average +	Years of Previous Record
Fort Greely	78	1420	4/29	0	0.0	0.0	2.0	7
French Creek	24	2010	4/29	8	1.9	0.8	6.6	11
Granite Creek	81	1235	4/30	0	0.0	0.0	1.8	6
Haystack Mtn.	102	1950	5/2	25	5.0	9.3	8.0	3
Little Chena	19	2200	5/1	13	4.0	6.2	6.1	12
Little Salcha	25	1500	4/29	0	0.0	0.0	4.5	11
Meadows Road	79	1570	4/29	0	0.0	0.0	1.3	7
Mentasta Pass	31	2430	4/29	22	6.9	7.4	6.0	12
Monument Creek	127	1900	5/1	17	3.8	5.4	--	1
Mt. Ryan	20	2950	5/1	28	6.9	7.1	9.1	12
Munson Ridge	23	3100	5/1	43	13.6	15.9	15.8	12
Poker Creek	104	1025	5/2	0	0.0	0.7	3.5	4
Teuchet Creek	126	1640	5/1	0	0.0	1.8	--	1
Tok Junction	30	1650	4/30	0	0.0	0.0	1.6	12
Upper Chena	75	3000	5/1	26	6.4	8.4	10.2	6
Wolf Creek	76	3850	No Survey			4.2E	5.6	6
Yak Pasture	17	540	5/1	0	0.0	0.0	2.9	13
COPPER RIVER:								
Haggard Creek	34	2540	4/29	24	6.7	4.5	5.2	8
Little Nelchina	40	4160	4/30	25A	5.0E	6.5E	5.9	5
Mankomen Lake	32	3050	Report Delayed			8.8	7.1	7
St. Anne's Lake	54	1985	4/30	T	T	0.6E	3.1	8
Sanford River	37	2280	4/30	12A	3.4E	0.9E	2.6	7
Tsaina River	119	1550	4/30	32	8.8	8.5	--	2
Worthington Glacier	55	2400	4/30	45	12.8	13.5	20.8	16
MATANUSKA-SUSITNA:								
Alexander Lake	49	200	4/30	20A	5.6E	6.3E	9.1	8
Bald Mtn. Lake	47	2150	4/30	28A	7.5E	12.0E	9.6	9
Chelatna Lake	44	1650	4/30	27A	7.6E	9.8E	14.9	8
Clearwater Lake	36	3100	4/30	12A	3.4E	4.6E	4.4	9
Fog Lakes #2	96	2250	4/30	15A	3.6E	7.7	6.8	4
Independence Mine	51	3300	4/29	81	24.0	23.6	21.2	4
Lake Louise	41	2400	4/30	15	3.7	4.0E	3.4	9
Monahan Flat	35	2710	4/30	19A	4.8E	7.8E	7.7	9
Oshetna Lake	39	2950	4/30	13A	3.5E	3.5E	3.4	9
Peters Hills	45	2010	4/30	39A	12.5E	21.0E	17.2	6
Sheep Mtn. #2	120	2900	4/30	0	0.0	4.6	3.2	15
Skwentna	48	158	4/30	T	T	0.6	7.3	7
Talkeetna	46	350	4/30	4	1.2	5.3	6.9	7
Willow Airstrip	50	150	4/30	0	0.0	T	2.6	8
UPPER COOK INLET DRAINAGES:								
Arctic Ski Bowl	65	3000	4/30	36	11.3	11.7	12.4	9
Arctic Valley #1	61	500	4/30	0	0.0	0.0	0.0	9
Arctic Valley #2	62	1000	4/30	0	0.0	0.2	.3	9
Arctic Valley #3	63	2030	4/30	0	0.0	3.1	3.0	9
Arctic Valley #4	64	2330	4/30	11	3.1	3.7	3.7	8
Bird Creek	66	2350	5/2	50	17.7	14.3	18.4	7
Goat	59	3200	5/1	40	12.1	9.6	16.6	5
Indian Pass	68	2350	5/2	64	22.0	23.4	22.6	7
McArthur	52	120	4/30	22A	7.9E	9.1E	16.9	7
Moraine	56	2100	5/1	13	3.0	6.1	8.1	16
Mt. Alyeska	128	1200	4/25	SP	37.7	45.0	--	1
Ptarmigan	57	3000	5/1	29	7.2	7.9	13.5	15
Ship Creek	67	1750	5/2	28	9.5	9.5	10.7	7
South Campbell Creek	129	1200	5/2	T	T	8.2	--	1

A - Aerial Marker reading E - Estimated SP - Snow Pillow T - Trace

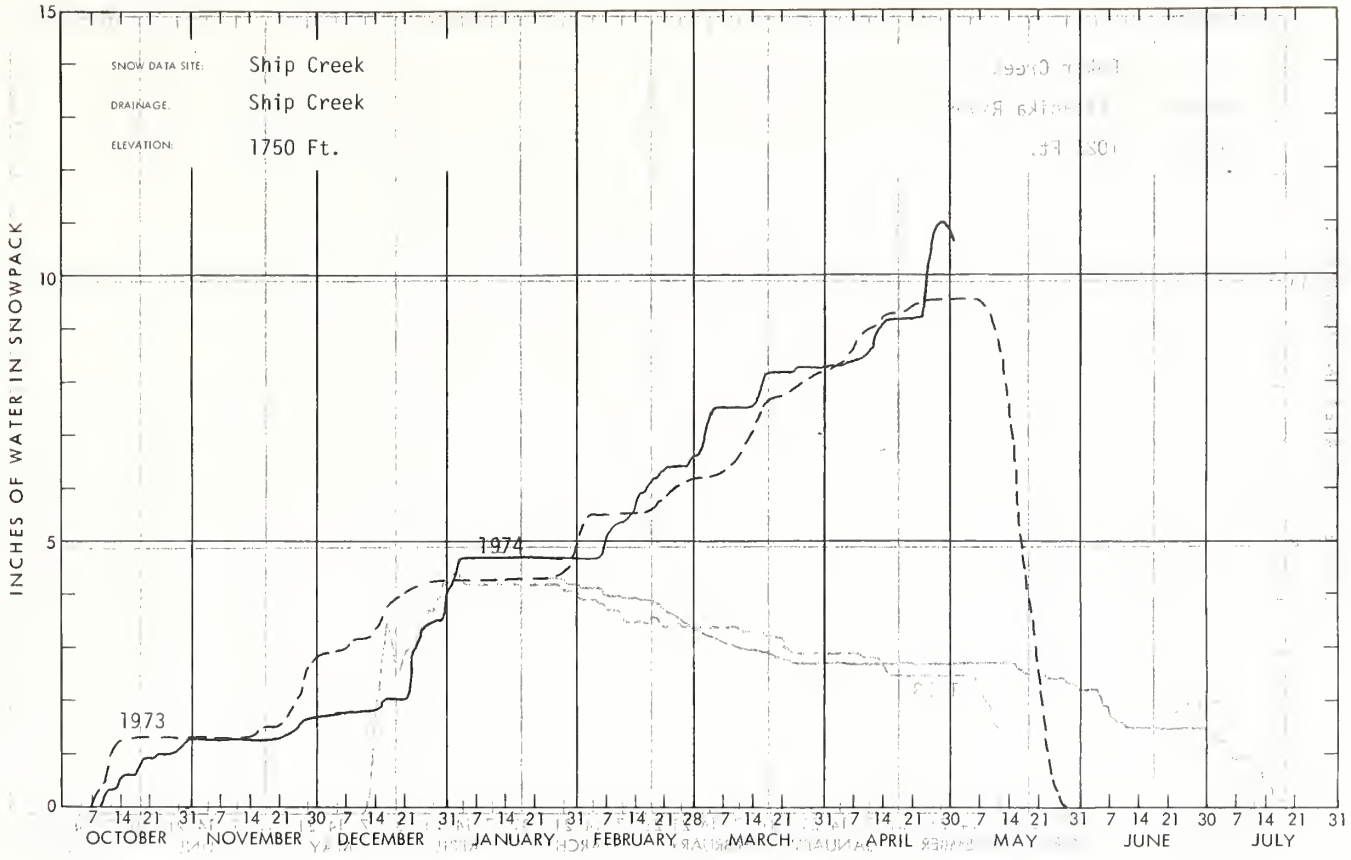
+ 1958-1972 period.

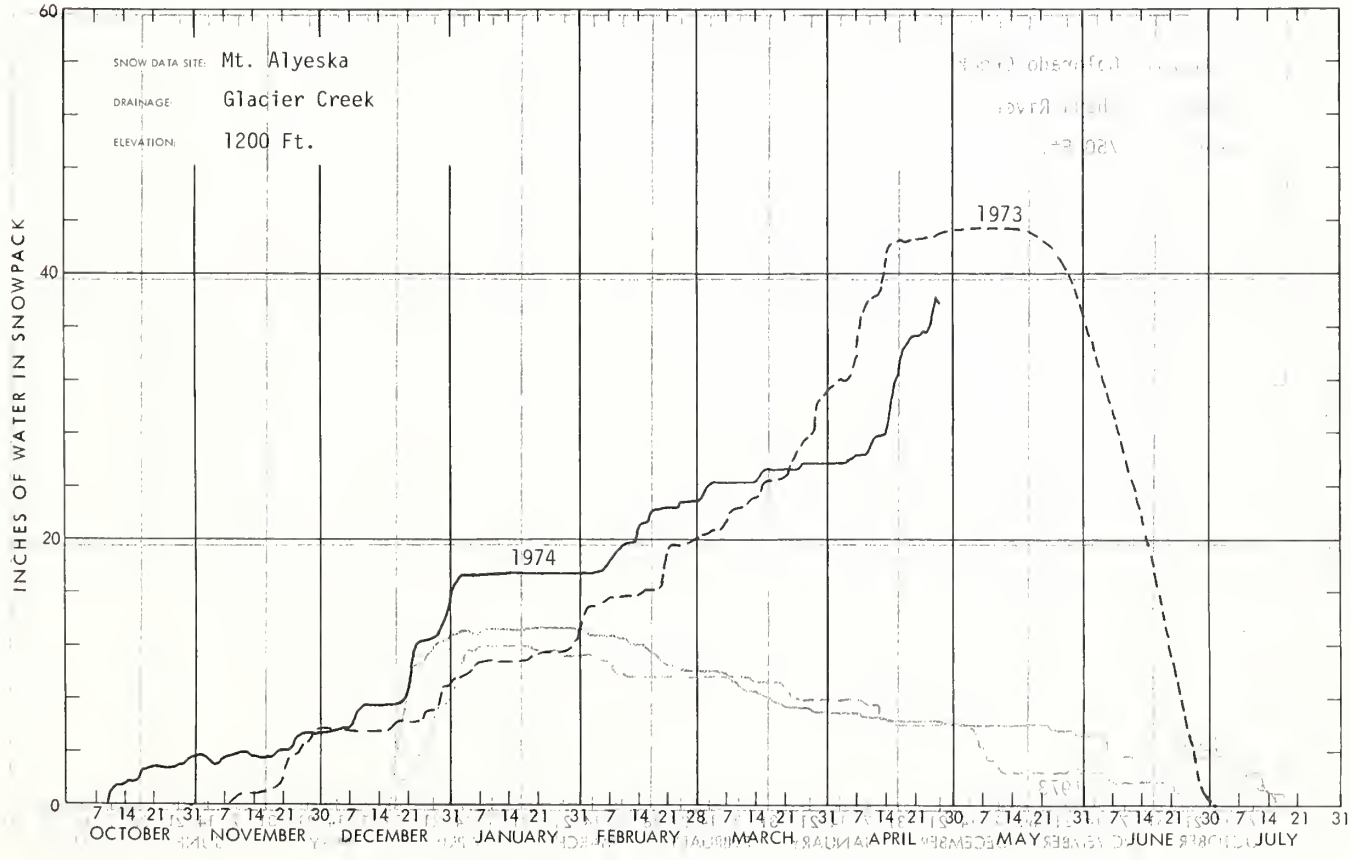
USDA-SCS-PORTLAND OREG 1974

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD		
NAME	Number	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Water Content (inches) Average +	Years of Previous Record
PRINCE WILLIAM SOUND:								
Lowe River	118	550	4/30	17	5.2	7.5	--	2
Valdez	117	50	4/30	24	8.3	14.2	--	
KENAI PENINSULA:								
Bertha Creek	98	850	5/1	48	18.1	17.0	11.6	4
Bridge Creek, Upper	121	1300	5/1	30	7.8	8.6	--	2
Bridge Creek, Lower	122	1100	5/1	31	9.2	9.4	--	2
Jean Lake	101	620	5/1	0	0.0	0.0	1.1	4
Kinai Summit	99	1390	5/1	26	9.0	7.2	10.3	4
Moose Pass	100	700	5/1	0	0.0	0.0	3.2	4
SOUTHEAST ALASKA:								
Crater Lake	73	1750	4/30	143	73.5	83.0	71.5	9
Douglas Ski Bowl	84	1640	4/29	100	45.8	52.4	40.3	6
Harriet Top	123	2000	5/2	150	69.2	67.0	--	2
Hunt Saddle	124	1500	5/2	105	51.6	49.0	--	2
Lake Shore	125	660	5/2	55	25.0	21.0	--	2
Long Lake	71	1075	4/30	104	48.8	58.0	48.7	9
Speel River	72	275	4/30	64	30.2	41.0	31.9	9
Upper Long Lake	70	1000	4/30	105	50.0	61.5	47.1	9

+ 1958-1972 period.


SNOW DATA SITE: Ship Creek
DRAINAGE: Ship Creek
ELEVATION: 1750 Ft.
INCHES OF WATER IN SNOWPACK
15
10
5
0
1973
1974
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


SNOW DATA SITE: Mt. Alyeska
DRAINAGE: Glacier Creek
ELEVATION: 1200 Ft.
INCHES OF WATER IN SNOWPACK
60
40
20
0
1973
1974
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

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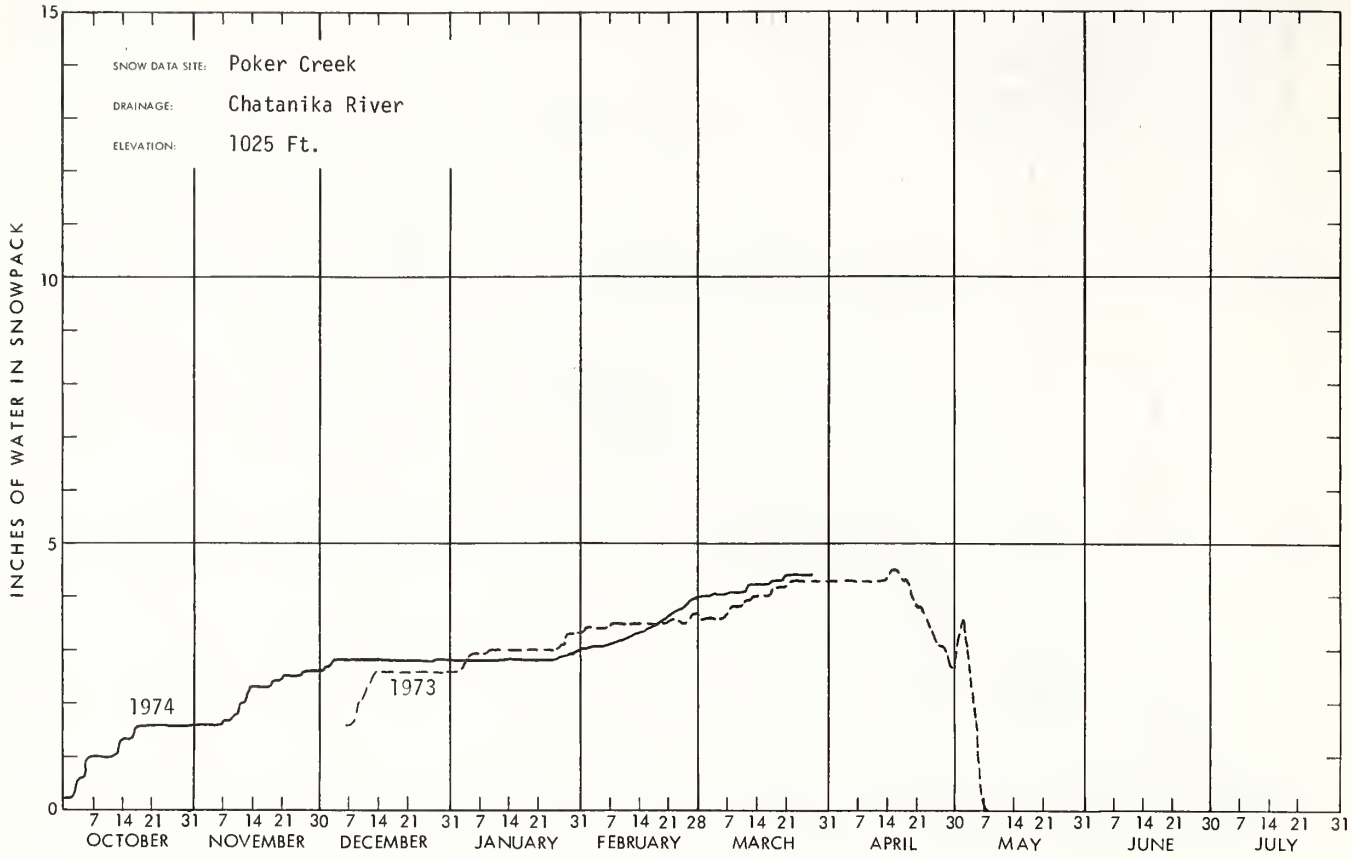
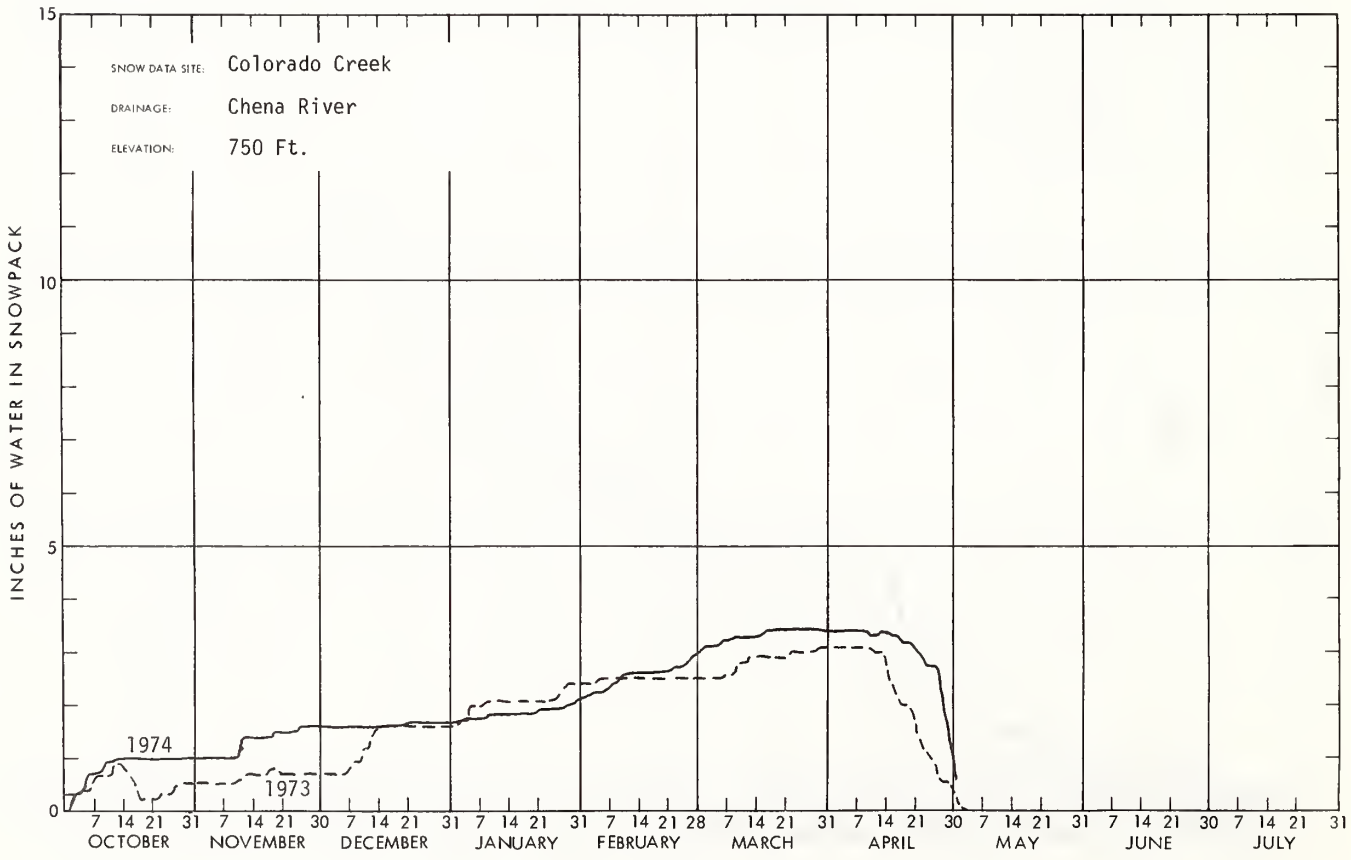
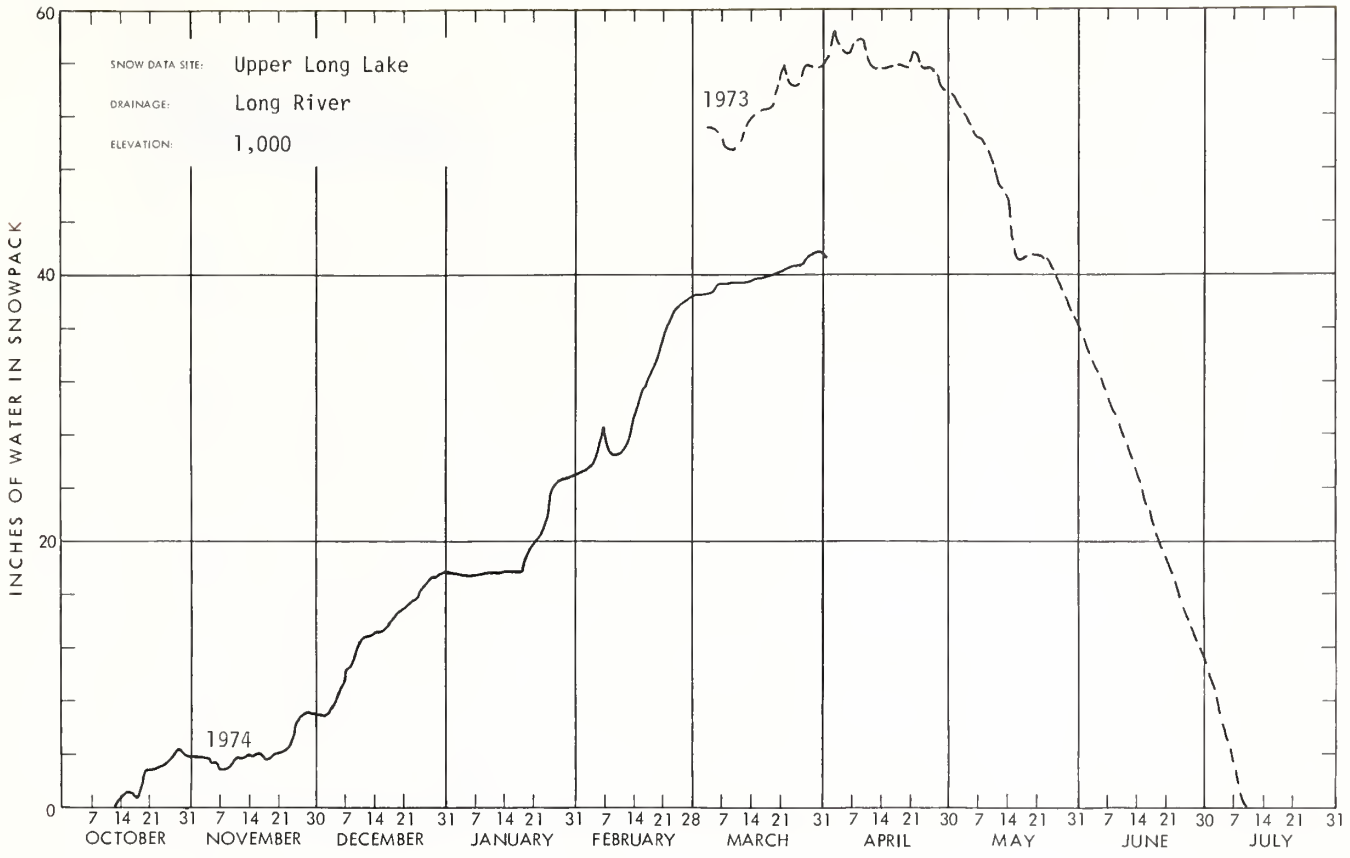
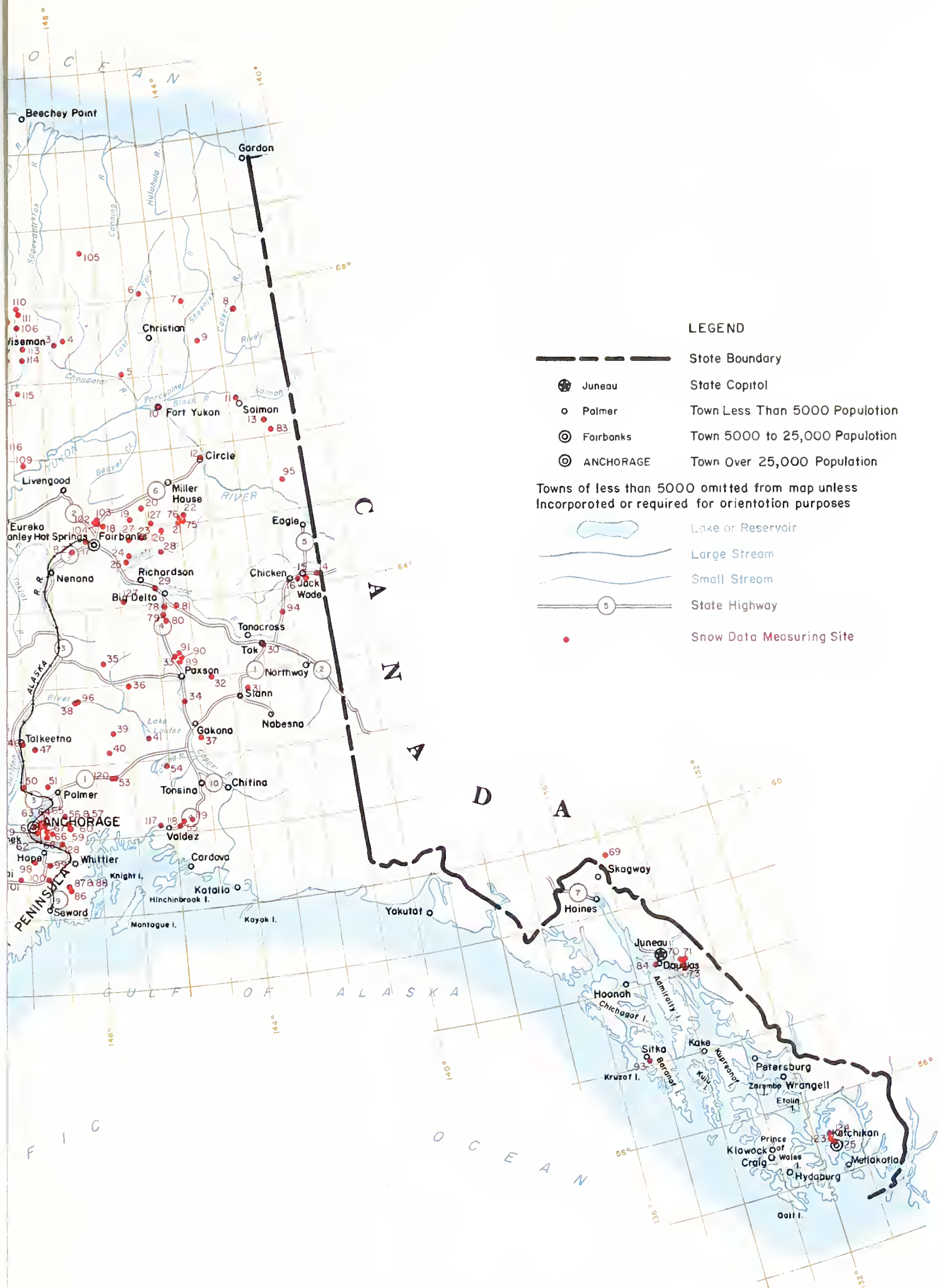

SNOW DATA SITE: Poker Creek
DRAINAGE: Chatanika River
ELEVATION: 1025 Ft.
INCHES OF WATER IN SNOWPACK
15
10
5
0
1974
1973
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


SNOW DATA SITE: Colorado Creek
DRAINAGE: Chena River
ELEVATION: 750 Ft.
INCHES OF WATER IN SNOWPACK
15
10
5
0
1974
1973
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

WSFB-X13C


SNOW DATA SITE: Upper Long Lake
DRAINAGE: Long River
ELEVATION: 1,000
1973
1974
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY



SNOW COURSES AND RELATED DATA MEASURING SITES

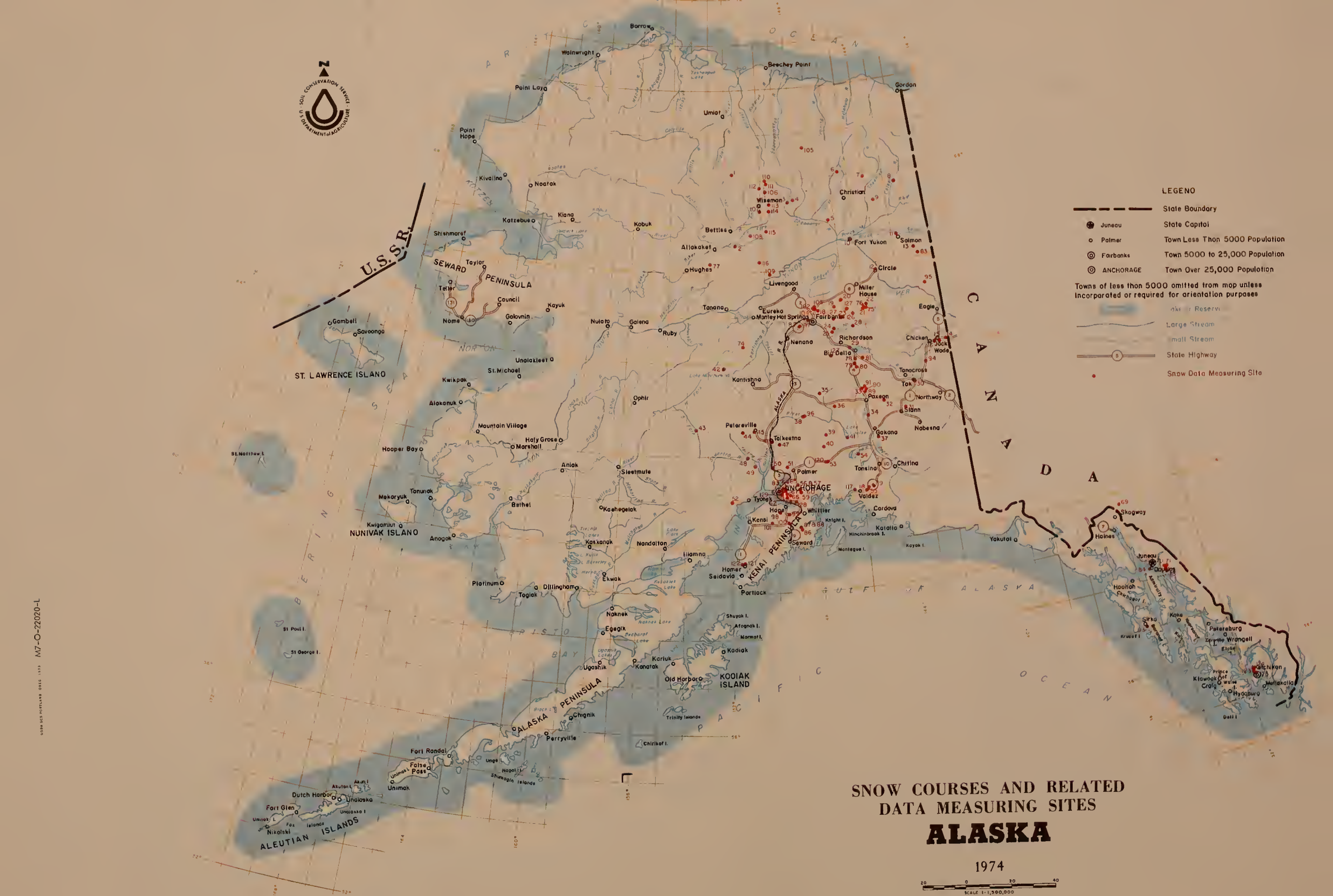
ALASKA

1974

20 0 20 40

SCALE 1:1,500,000

ALBERS EQUAL AREA PROJECTION



SNOW COURSES AND RELATED DATA MEASURING SITES

ALASKA

1974

M7-O-22020-L

INDEX OF ALASKA SNOW COURSES

MAP NO.	COURSE NAME	COURSE NO. **	ELEV.	LAT.	LONG.	MEAS. DATES *	MEAS. BY **
1	Anaktuvuk Pass	51TT1A	2100	68°09'N	151°41'W	3,4	a
2	Bettles Field	51RR1A	640	66°35'N	151°32'W	3,4	a
3	Chandalar Lake	48551A	2040	67°30'N	148°30'W	3,4	a
4	Squaw Lake	48552a	2150	67°33'N	148°15'W	3,4	a
5	Venetie	46551A	610	67°03'N	146°25'W	3,4,7	a
6	Arctic Village	45TT1A	2300	68°05'N	145°35'W	3,4	a
7	Koness Lake	44551A	1790	67°55'N	144°08'W	3,4	a
8	Coleen River	42551A	1100	67°44'N	142°28'W	3,4,7	a
9	Vundik Lake	43551a	950	67°23'N	143°45'W	3,4	a
10	Fort Yukon	45RR1AM	430	66°35'N	145°15'W	3,4,7	a
11	Black River	42RR1A	650	66°36'N	142°45'W	3,4,7	a
12	Circle City	44QQ3A	600	65°50'N	144°05'W	3,4,7	a
13	Bull Lake	41RR1A	810	66°12'N	141°59'W	3,4	a
14	Eagle Village	41PP1A	900	64°08'N	141°08'W	3,4,7	a
15	Boundary	41PP3A	3300	64°05'N	141°27'W	3,4	a
16	Chicken Airstrip	41PP2A	1650	64°05'N	141°45'W	3,4,7	a
17	Yak Pasture	47PP1	540	64°52'N	147°55'W	2,3,4,5	a
18	Cleary Summit	47QQ1A	2230	65°03'N	147°24'W	1,2,3,4,5,7	a
19	Little Chena	46QQ2AP	2200	65°08'N	146°32'W	2,3,4,5,7	a
20	Mt. Ryan	46QQ1AP	2950	65°16'N	146°07'W	2,3,4,5,7	a
21	Chena Hot Springs	45QQ1	1250	65°03'N	145°03'W	2,3,4,5,7	a
22	Big Windy	44QQ2AP	3850	65°07'N	144°52'N	2,3,4,5,7	a
23	Munson Ridge	46PP1AP	3100	64°52'N	146°13'W	2,3,4,5,7	a
24	French Creek	46PP2MA	2010	64°43'N	146°40'W	2,3,4,5,7	a
25	Little Salcha	46PP3	1500	64°38'N	146°44'W	2,3,4,5,7	a
27	Colorado Creek	46PP45	750	64°52'N	146°39'W	1,2,3,4,5,7	a
28	Caribou Mine	45PP2A	1115	64°40'N	145°40'W	2,3,4,5,7	a
29	Big Delta	45PP1	980	64°14'N	145°58'W	2,3,4,5	a
30	Tok Junction	43001	1650	63°18'N	143°00'W	2,3,4,5	a
31	Mentasta Pass	43NN1	2430	62°51'N	143°30'W	2,3,4,5	a
32	Mankomen Lake	44NN1	3050	63°00'N	144°32'W	2,3,4,5	a
33	Fielding Lake	45001A	3000	63°18'N	145°33'W	2,3,4,5	a
34	Haggard Creek	45NN1A	2540	62°42'N	145°28'W	2,3,4,5	a
35	Monahan Flat	47001A	2710	63°18'N	147°39'W	2,3,4,5	a,c
36	Clearwater Lake	46NN1A	3100	62°59'N	146°58'W	2,3,4,5	a,c
37	Sanford River	45NN2A	2280	62°13'N	145°04'W	2,3,4,5	a,c
38	Fog Lakes	48NN1A	2270	62°47'N	148°30'W	2,3,4,5	a,c
39	Oshetna Lake	47NN1A	2950	62°23'N	147°29'W	2,3,4,5	a,c
40	Little Nelchina	47NN2a	4160	62°07'N	147°36'W	2,3,4,5	a,c
41	Lake Louise	46NN2A	2400	62°17'N	146°30'W	2,3,4,5	a,c
42	Lake Minchumina	52001A	730	63°53'N	152°18'W	3,4	a
43	Farewell Lake	53NN1A	1090	62°34'N	153°35'W	3,4	a
44	Chelatna Lake	51NN1a	1650	62°31'N	151°29'W	2,3,4,5	a,c
45	Peters Hills	50NN1a	2010	62°31'N	150°57'W	2,3,4,5	a,c
46	Talkeetna	50NN2	350	62°18'N	150°05'W	2,3,4,5	a,c
47	Bald Mt. Lake	49NN1A	2150	62°15'N	149°45'W	2,3,4,5	a,c
48	Skwentna	51MM1A	160	61°58'N	151°12'W	2,3,4,5	a,c
49	Alexander Lake	50MM1A	200	61°45'N	150°54'W	2,3,4,5	a,c
50	Willow Airstrip	50MM2	150	61°45'N	150°03'W	2,3,4,5	a,c
51	Independence Mine	49MM10	3300	61°45'N	149°25'W	3,4,5	a
52	McArthur	52LL1A	120	61°00'N	152°00'W	2,3,4,5	a,c
53	Sheep Mountain	47MM1	2700	61°47'N	147°29'W	3,4,5	a
54	St. Anne's Lake	46MM1A	1990	61°53'N	146°03'W	2,3,4,5	a,c
55	Worthington Glacier	45MM2	2400	61°10'N	145°45'W	3,4,5	a
56	Moraine	48MM1	2100	61°22'N	148°59'W	3,4,5,7	e
57	Ptarmigan	48MM2	3000	61°22'N	148°59'W	3,4,5,7	e
59	Goat	48MM7A	3200	61°14'N	148°51'W	3,4,5,7	e
60	Grizzly	48MM4A	5000	61°15'N	148°56'W	3,4,7	e
61	Arctic Valley #1	49MM1	500	61°13'N	149°40'W	2,3,4,5	c
62	Arctic Valley #2	49MM2	1000	61°13'N	149°37'W	2,3,4,5	c
63	Arctic Valley #3	49MM3	2030	61°14'N	149°35'W	2,3,4,5	c
64	Arctic Valley #4	49MM4	2330	61°14'N	149°33'W	2,3,4,5	c
65	Arctic Ski Bowl	49MM5	3000	61°15'N	149°31'W	2,3,4,5	c
66	Bird Creek	49MM6A	2350	61°06'N	149°20'W	2,3,4,5,7	a
67	Ship Creek	49MM7MP5	1750	61°08'N	149°28'W	2,3,4,5	a
68	Indian Pass	49MM8A	2350	61°05'N	149°29'W	2,3,4,5	a
69	Log Cabin (B.C.)	34KK1	2880	59°45'N	134°58'W	3,4,5	e
70	Upper Long Lake	33JJ2a5	1000	58°11'N	133°53'W	3,4,5,6,7	e
71	Long Lake	33JJ1A	1080	58°12'N	133°47'W	3,4,5,6,7	e
72	Speel River	33JJ3A	280	58°09'N	133°43'W	3,4,5,6,7	e
73	Crater Lake	33JJ4a	1750	58°08'N	133°43'W	3,4,5,6,7	e
74	Wien Lake	51PP1A	1020	64°22'N	151°18'W	3,4	a
75	Upper Chena	44QQ1AP	3000	65°07'N	144°55'W	2,3,4,5,7	a
76	Wolf Creek	44QQ4a	3850	65°08'N	144°57'W	2,3,4,5,7	a
77	Lake Todatonten	52RR1a	980	66°10'N	152°55'W	3,4	a
78	Ft. Greely	45005	1420	63°57'N	145°45'W	1,2,3,4,5,7	a
79	Meadows Road	45002	1570	63°52'N	145°50'W	1,2,3,4,5,7	a
80	Donnelly Dome	45003	2200	63°47'N	145°43'W	1,2,3,4,5,7	a
81	Granite Creek	45004	1240	63°57'N	145°24'W	1,2,3,4,5,7	a
82	Bonanza Creek	48PP1	1150	64°45'N	148°20'W	2,3,4,5	b
83	Dempsey Creek	41RR2A	950	66°06'N	141°48'W	3,4	a
84	Douglas Ski Bowl	34JJ1	1640	58°16'N	134°27'W	3,4,5	b
86	Wolverine Glacier (A)	48LL1	2130	60°23'N	148°54'W	1,2,4,5,6,7	g
87	Wolverine Glacier (B)	48LL2	3610	60°25'N	148°55'W	2,3,4,5,6,7	g
88	Wolverine Glacier (C)	48LL3	4430	60°25'N	148°55'W	1,2,4,6,7	g
89	Gulkana Glacier (A)	45006	4590	63°15'N	145°29'W	2,3,4,5,6,7	g
90	Gulkana Glacier (B)	45007	5480	63°17'N	145°26'W	2,3,4,5,6,7	g
91	Gulkana Glacier (C)	45008	6360	63°19'N	145°29'W	5,6,7	g
93	Blue Lake	35II2	950	57°04'N	135°10'W	3,4,5	b
94	Mt. Fairplay	42001a	3100	63°42'N	142°17'W	3,4,5	a
95	Nation River	41QQ1a	3050	65°25'N	141°40'W	3,4	a
96	Fog Lakes #2	48NN2A	2250	62°47'N	148°29'W	2,3,4,5	a,c
98	Bertha Creek	49LL2	850	60°45'N	149°51'W	2,3,4,5	a
99	Kenai Summit	49LL3	1390	60°40'N	149°28'W	2,3,4,5	a
100	Moose Pass	49LL4	700	60°31'N	149°30'W	2,3,4,5	a
101	Jean Lake	50LL1	620	60°31'N	150°11'W	2,3,4,5	a
102	Haystack Mtn.	47QQ2	1950	65°08'N	147°38'W	2,3,4,5	d
103	Caribou Creek	47QQ3	1440	65°09'N	147°35'W	2,3,4,5	d
104	Poker Creek	47QQ45	1025	65°08'N	147°32'W	2,3,4,5,7	d
105	Elusive Lake	47TT1A	1800	68°39'N	147°30'W	3,4,5	f
106	Dietrich Camp	49551A	1550	67°42'N	149°45'W	2,3,4,5	f
107	Cold Foot Camp	50551	1000	67°16'N	150°10'W	1,2,3,4	f
108	Prospect Creek	50RR1	980	66°47'N	150°45'W	2,3,4,5	f
109	Five Mile Camp	49RR1	400	65°55'N	149°48'W	2,3,4,5	f
110	Table Mountain	49553a	2200	67°58'N	149°45'W	2,3,4,5	f
111	Snowden Mtn.	49554a	1900	67°50'N	149°41'W	2,3,4,5	f
112	Kupuk Creek	50552a	2300	67°48'N	150°08'W	2,3,4,5	f
113	Glacier Creek	49552a	2000	67°28'N	149°31'W	2,3,4,5	f
114	West Buttons	49555a	1600	67°17'N	149°34'W	2,3,4,5	f
115	Jim River	49RR1a	1900	66°51'N	149°50'W	2,3,4,5	f
116	Thirty Mile	50RR2a	1300	66°13'N	150°15'W	2,3,4,5	f
117	Valdez	46MM2	50	61°08'N	146°20'W	2,3,4,5	a
118	Lowe River	45MM3	550	61°06'N	145°50'W	3,4,5	a
119	Tsaina River	45MM4	1500	61°12'N	145°30'W	3,4,5	a
120	Sheep Mtn. #2	47MM2	2900	61°47'N	147°30'W	3,4,5	a
121	Bridge Creek (UP)	51KK1	1300	59°42'N	151°28'W	3,4,5	a
122	Bridge Creek (LO)	51KK2	1100	59°40'N	151°32'W	3,4,5	a
123	Harriet Top	31GG1	2000	55°29'N	131°37'W	3,4,5	b
124	Hunt Saddle	31GG2	1500	55°30'N	131°37'W	3,4,5	b
125	Lake Shore	31GG3	660	55°29'N	131°36'W	3,4,5	b
126	Teuchet Creek	45PP3	1640	64°57'N	145°31'W	2,3,4,5	a
127	Monument Creek	45QQ2	1900	65°03'N	145°55'W	2,3,4,5	a
128	Mt. Alyeska	49LL15	1200	60°57'N	149°06'W	2,3,4,5	b,a
129	South Campbell Creek	49MM11	1200	61°08'N	149°42'W	2,3,4,5	a

LEGEND

* *Numerals 1,2,3,4,5, and 6 refer to January 1, February 1, March 1, April 1, May 1, June 1, and 7 - for special dates.*

* *Letters refer to Agency that secures the snow*
* *survey, as follows:*
- a. *Soil Conservation Service*
- b. *Forest Service*
- c. *U.S. Army Corps of Engineers*
- d. *U.S. Army Cold Regions Research & Eng. Lab*
- e. *Alaska Power Administration*
- f. *Bureau of Land Management*
- g. *U.S. Geological Survey*

* *Letters following the snow course no. refer to:*
* A. *Snow course and aerial stadia marker*
* a. *Aerial stadia marker only*
- M. *Soil Moisture Station*
- P. *Precipitation Storage Gage*
- 5. *Snow Pillow*

USDA-SCS PORTLAND OREGON 1971 M7-L-220201

MAP NO.	COURSE NAME	COURSE NO. ***
1	Anaktuvuk Pass	51TT1A
2	Bettles Field	51RR1A
3	Chandalar Lake	4BSS1A
4	Squaw Lake	48SS2a
5	Venetie	46SS1A
6	Arctic Village	45TT1A
7	Koness Lake	44SS1A
B	Coleen River	42SS1A
9	Vundik Lake	43SS1a
10	Fort Yukon	45RR1AM
11	Black River	42RR1A
12	Circle City	44QQ3A
13	Bull Lake	41RR1A
14	Eagle Village	41PP1A
15	Boundary	41PP3A
16	Chicken Airstrip	41PP2A
17	Yak Pasture	47PP1
18	Cleary Summit	47QQ1A
19	Little Chena	46QQ2AP
20	Mt. Ryan	46QQ1AP
21	Chena Hot Springs	45QQ1
22	Big Windy	44QQ2AP
23	Munson Ridge	46PP1AP
24	French Creek	46PP2MA
25	Little Salcha	46PP3
27	Colorado Creek	46PP4S
28	Caribou Mine	45PP2A
29	Big Delta	45PP1
30	Tok Junction	43OO1
31	Mentasta Pass	43NN1
32	Mankomen Lake	44NN1
33	Fielding Lake	45OO1A
34	Haggard Creek	45NN1A
35	Monahan Flat	47OO1A
36	Clearwater Lake	46NN1A
37	Sanford River	45NN2A
3B	Fog Lakes	4BNN1A
39	Oshetna Lake	47NN1A
40	Little Nelchina	47NN2a
41	Lake Louise	46NN2A
42	Lake Minchumina	52OO1A
43	Farewell Lake	53NN1A
44	Chelatna Lake	51NN1a
45	Peters Hills	5ONN1a
46	Talkeetna	5ONN2
47	Bald Mt. Lake	49NN1A
48	Skwentna	51MM1A
49	Alexander Lake	5OMM1A
50	Willow Airstrip	5OMM2
51	Independence Mine	49MM1O
52	McArthur	52LL1A
53	Sheep Mountain	47MM1
54	St. Anne's Lake	46MM1A
55	Worthington Glacier	45MM2
56	Moraine	4BMM1
57	Ptarmigan	48MM2
59	Goat	4BMM7A
60	Grizzly	4BMM4A
61	Arctic Valley #1	49MM1
62	Arctic Valley #2	49MM2
63	Arctic Valley #3	49MM3
64	Arctic Valley #4	49MM4
65	Arctic Ski Bowl	49MM5
66	Bird Creek	49MM6A
67	Ship Creek	49MM7MPS
6B	Indian Pass	49MM8A
69	Log Cabin (B.C.)	34KK1
70	Upper Long Lake	33JJ2aS
71	Long Lake	33JJ1A
72	Speel River	33JJ3A
73	Crater Lake	33JJ4a
74	Wien Lake	51PP1A
75	Upper Chena	44QQ1AP
76	Wolf Creek	44QQ4a
77	Lake Todatonten	52RR1a
78	Ft. Greely	45OO5

USDA SCS PORTLAND OREGON 1973 M7-L-22020

AGENCIES AND ORGANIZATIONS COOPERATING IN ALASKA SNOW SURVEYS

FEDERAL

- Atomic Energy Commission
- Department of Agriculture
  - Forest Service
    - Institute of Northern Forestry
    - North Tongass National Forest
    - South Tongass National Forest
    - Chugach National Forest
- Department of Commerce
  - National Oceanic and Atmospheric Administration
    - NOAA National Weather Service
- Department of Defense
  - U.S. Army Corps of Engineers
  - U.S. Army Cold Regions Research and Engineering Laborat
- Department of Interior
  - Bureau of Land Management
  - Geological Survey
  - Alaska Power Administration

STATE

- State of Alaska
- Alaska Soil Conservation District
  - Fairbanks Soil Conservation Sub-district
  - Homer Soil Conservation Sub-district
  - Kenai-Kasilof Soil Conservation Sub-district
  - Kenny Lake Soil Conservation Sub-district
  - Kodiak Soil Conservation Sub-district
  - Montana Soil Conservation Sub-district
  - Ninilchik Soil Conservation Sub-district
  - Palmer Soil Conservation Sub-district
  - Salcha-Big Delta Soil Conservation Sub-district
  - Wasilla Soil Conservation Sub-district
- University of Alaska

BOROUGH

- Greater Anchorage Area Borough
- City and Borough of Sitka

MUNICIPALITIES

- City of Anchorage

PRIVATE

- Mt. Alyeska Resort, Inc.

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